

32692

Customer Number



Patent
Case No.: 58079US004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: FUKUSHI, TATSUO

Application No.: 10/659877

Confirmation No.: 5006

Filed: September 11, 2003

Title: FLUOROELASTOMERS WITH IMPROVED PERMEATION RESISTANCE AND
METHOD FOR MAKING THE SAME

INFORMATION DISCLOSURE STATEMENT

Mail Stop: RCE
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CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR § 1.8(a)]	
I hereby certify that this correspondence is being:	
<input checked="checked" type="checkbox"/>	deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
<input type="checkbox"/>	transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at 571-273-8300.
Date <i>June 28, 2006</i>	Signed by: <i>Angie Zontelli</i> Angie Zontelli

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

Copies of any cited foreign patents, foreign publications, non-patent literature documents, and any pending U.S. applications filed before June 30, 2003, are enclosed. Copies of any pending U.S. applications filed after June 30, 2003 that can be accessed on the USPTO's IFW system are not enclosed as per USPTO Waiver dated September 21, 2004. Copies of any U.S. patents and published U.S. patent applications are not enclosed.

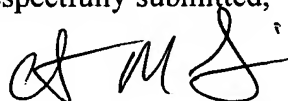
A Request for Continued Examination under 37 CFR § 1.114 is being filed concurrently, thus it is believed that no fee is due for this Information Disclosure Statement.

Respectfully submitted,

6/28/06

Date

By:



C. Michael Geise, Reg. No.: 58,560

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Office of Intellectual Property Counsel
3M Innovative Properties Company
Facsimile No.: 651-736-3833

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Page 1 of 2

Application Number

10/659877

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First Named Inventor

Fukushi, Tatsuo

Confirmation Number

5006

Attorney Case Number

58079US004

U.S. Patent Documents

Exam. Init.*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 3,450,684	06-17-1969	Darby	
	A2	US- 3,817,960	06-18-1974	Resnick	
	A3	US- 4,181,679	01-01-1980	Psarras	
	A4	US- 4,487,903	12-11-1984	Tatemoto et al.	
	A5	US- 4,513,128	04-23-1985	Uschold	
	A6	US- 4,900,872	02-13-1990	Guglielmo et al.	
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	A10	US- 5,214,115	05-25-1993	Langstein et al.	
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	A12	US- 5,401,818	03-28-1995	Oka et al.	
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	A14	US- 2001/0047067 A1	11-29-2001	Navarrini	

Foreign Patent Documents

Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (If known)				
	B1	EP	0 130 052 A1	01-02-1985	Uschold		
	B2	EP	0 208 314 B1	01-23-1991	Ojakaar et al.		
	B3	EP	0 290 848 A1	11-17-1988	Oka et al.		
	B4	DE	195 42 501 A1	05-22-1997	Krueger et al.		English Abstract
	B5	DE	40 23 657 A1	01-31-1991	Masatoshi et al.		English Abstract
	B6	WO	99/48939	09-30-1999	Grootaert		

OTHER DOCUMENTS

Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation (Check if yes)
	C1	Arcella, "New fluoroeastastomers for low temperature applications", presented at Arctic Rubber, Tampere, January 30-February 1, 1989, pp. 1-29.	

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 2 of 2	Application Number	10/659877
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	C2	Roberts, "Natural Rubber Science and Technology", Oxford University Press, New York, 1988, pp. 198-199.	
	C3	Brandrup et al., "Polymer Handbook, Second Edition", John Wiley & Sons, New York, 1975, pp. III-137-III-192.	
	C4	Brandrup et al., "Polymer Handbook, Third Edition", John Wiley & Sons, New York, 1989, pp. VI/209-VI/277.	
	C5	Emel'yanov et al., "Copolymerization of Perfluorooxaalkyl Allyl Ethers", Russian Journal of Organic Chemistry, 1994, Vol. 30, No. 8, pp. 1331-1335.	
	C6	Rodriguez, "Principles of Polymer Systems - Chapter 3, Physical States and Transitions", McGraw-Hill Book Company, 1970, pp. 26-48.	
	C7	Marchionni et al., "Physical Properties of Perfluoropolyethers: Dependence on Composition and Molecular Weight", Polymer Engineering and Science, July 1990, Vol., 30, No. 14, pp. 829-834.	
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	C9	Odian, "Principles of Polymerization, Third Edition", John Wiley & Sons, New York, 1991, pp. 1-39.	
	C10	Painter et al., "Fundamentals of Polymer Science", Technomic Publishing Company, Inc., Pennsylvania, 1994, Chapter 8, pp. 247-287.	
	C11	Schuman et al., "Development of Vulcanizable Elastomers Suitable for Use in Contact with Liquid Oxygen", J. Macromol. Sci. - Phys., Dec., 1967, Vol. B1(4), pp. 815-830.	
	C12	Sokolov et al., "New Fluorine Containing Elastomers and Polymeric Materials", Journal of D.I. Mendeleev Chemical Society of the USSR, 1991, Volume XXXVI, pp. 1-10, English Translation.	
	C13	Kartsov et al., "The Role of the Reactor Surface in the Liquid-Phase Oxidation of Hexafluoropropylene", Plenum Publishing Corporation, 1979, pp. 2006-2010.	
	C14	Ross et al., "Modern Fluoropolymers, Chapter 23, Liquid Fluoroelastomers", John Wiley & Sons, 1979, pp. 421-434.	
	C15	Glazkov et al., "Interaction of perfluoroalkylene oxides comprising peroxide groups with unsaturated perfluorinated compounds", Journal Organic Chemistry (Russian), 1994, Vol. 30, No. 8, pp. 1193-1196 (English Abstract).	
	C16		
	C17		

*Examiner:	Date Considered:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	